

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE

International Application No. : PCT/EP2003/014537
 International Filing Date : December 18, 2003
 Priority Date(s) Claimed : January 24, 2003
 Applicant(s) (DO/EO/US) : Louise Diane FARRAND et al.

Title: IONIC MESOGENIC COMPOUNDS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.56, 1.97 and 1.98

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

This information disclosure statement is made in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98 as follows:

Timing and Fees

- ☒ Under 37 C.F.R. § 1.97(b), no fee or statement is required for filing this information disclosure statement is filed:
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 - ☒ before the mailing of a first substantive office action (including after filing of an RCE).
- ☐ Under 37 C.F.R. § 1.97(c), this information disclosure statement is filed after the periods specified in 37 C.F.R. § 1.97(b), but before the mailing date of:
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 - termination of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2); OR
 - a notice of allowance under 37 C.F.R. § 1.311; and

is accompanied by:

- ☐ the statement as specified in 37 C.F.R. § 1.97(e) set out below; OR
 - ☐ a check covering the fee of \$180.00 under 37 C.F.R. § 1.17(p).
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 - ☐ OR a notice of allowance under 37 C.F.R. § 1.311;

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- ☐ Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application having a mailing date not more than three months prior to the filing date of this information disclosure statement; or
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned attorney after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing date of the information disclosure statement.

Cited Materials

- ☐ Copies of materials listed but not attached were cited in benefit (35 U.S.C. § 120) ancestor application Serial No. _____, on Form 892 by the Examiner and/or Form 1449 by the applicant; see 37 C.F.R. § 1.98(d).
- ☒ Copies of materials listed but not attached were cited in an international search report dated May 21, 2004.
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- ☐ Copies of the materials listed are attached (except for the foregoing).

Non-English Language References

☒ An English-language search report or equivalent paper from a foreign patent office is provided indicating the relevance of the cited reference(s).

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T = document cited to understand the theory or principle underlying the invention

E = patent document which has the benefit of a date earlier than the filing date and which was published only on or after this filing date

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L = cited for another reason

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☐ Translation of other relevant information on foreign search report

[insert necessary translation here]

Other Information

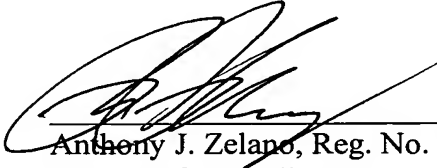
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Respectfully submitted,



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Attorney Docket No.: MERCK-3050

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Application Number	PCT/EP2003/014537
Filing Date	December 18, 2003
First Named Inventor	Louise Diane FARRAND et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	MERCK-3050

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. Number refers to English language corresponding family member.

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				Application Number	PCT /EP2003/014537
				Filing Date	July 25, 2005
				First Named Inventor	Louise Diane FARRAND et al.
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	MERCK-3050
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	9	YUICHIRO HARAMOTO ET AL: "NEW PYRIDINIUM TYPE IONIC LIQUID CRYSTAL COMPOUNDS WITH A 1,3-DIOXANE RING IN THE PRINCIPAL STRUCTURE" LIQUID CRYSTALS, TAYLOR AND FRANCIS LTD, LONDON, GB, VOL. 21, NO. 6, 1 DECEMBER 1996, PAGES 923-925, XP000639781.	
	10	CUI L ET AL: "SYNTHESIS AND THERMAL BEHAVIOUR OF LIQUID CRYSTALLINE PRYIDINIUM BROMIDES CONTAINING A BIPHENYL CORE" LIQUID CRYSTALS, TAYLOR AND FRANCIS LTD, LONDON, GB, VOL. 29, NO. 9, SEPTEMBER 2002 PAGES 1121-1132, XP001116892.	
	11	DATABASE INSPEC "ONLINE! INSTITUTE OF ELECTRICAL ENGINEERS, STEVENAGE, GB; HARAMOTO Y ET AL: "LIQUID CRYSTAL PROPERTIES OF NEW IONIC LIQUID CRYSTAL COMPOUNDS HAVING A 1,3-DIOXANE RING" DATBASE ACCESSION NO. 7266074 XP002277948 ABSTRACT & LIQUID CRYSTALS, JAN. 2002, TAYLOR & FRANCIS, UK, VOL. 29, NO. 1, PAGES 87-90.	
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STATEMENT BY APPLICANT**

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20	DATABASE INSPEC "ONLINE! INSTITUTE OF ELECTRICAL ENGINEERS, STEVENAGE, GB: HARISTOY D ET AL: "NOVEL IONIC LIQUID-CRYSTALLINE COMPOUNDS BEARING OXADIAZOLE AND PYRIDINIUM MOIETIES AS PROSPECTIVE MATERIALS FOR OPTOELECTRONIC APPLICATIONS" DATABASE ACCESSION NO. 7702539 XP002277947 ABSTRACT & CHEMISTRY OF MATERIALS, 20 MAY 2003, AMERICAN CHEM SOC, USA, VOL. 15, NO. 10, PAGES 2079-2083.
21	PATENT ABSTRACTS OF JAPAN VOL. 1998, NO. 06, 30 APRIL 1998 - & JP 10 053585 A (NIPPON CHEM IND CO LTD; HARAMOTO YUICHIRO), 24 FEBRUARY 1998.
22	PATENT ABSTRACTS OF JAPAN VOL. 1996, NO. 10, 31 OCTOBER 1996 -& JP 08 157456 A (DAINIPPON PRINTING CO LTD), 18 JUNE 1996 ABSTRACT.

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